Kao Specialties Americas LLC

243 Woodbine Street • PO Box 2316 • High Point, NC 27261 USA Phone 336-884-2214 • Fax 336-884-8786



SAFETY DATA SHEET

Conforms to the requirements of the United States Hazard Communication regulation 29 CFR 1910.1200

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME KALCOL 2470
PRODUCT CASRN 68855-56-1

PRODUCT DESCRIPTION Aliphatic fatty alcohol

SDS DOCUMENT No. K10064

RECOMMENDED USES Product is intended for use as a raw material in chemical manufacturing

RESPONSIBLE PARTY

Kao Specialties Americas LLC 243 Woodbine Street P. O. Box 2316 High Point, NC 27261

Telephone: 1-800-727-2214

Refer to SECTION 16 for information regarding the

MANUFACTURER(s) of this product

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

SECTION 2: HAZARD(S) IDENTIFICATION

PRODUCT CLASSIFICATION per 29 CFR 1910.1200

HAZARD

CLASSIFICATION

Serious Eye Damage/Eye Irritation Category 2A

SIGNAL WORD

Warning

HAZARD

STATEMENTS

Causes serious eye irritation.

HAZARD PICTOGRAMS



RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION

Wash thoroughly after handling.

Wear chemical-resistant gloves and clothing, eye protection and face protection.

EMERGENCY RESPONSE

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES Not applicable

SIMPLE

ASPHYXIANTS

Not applicable

COMBUSTIBLE DUST Not applicable

Dust Classification	Minimum	Pmax	Rmax	Kst	Explosion
	Ignition Energy	(bar-g)	(bar/s)	(bar-m/s)	Severity
Not Applicable					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 Combustible Dust National Emphasis Program (reissued) March 11, 2008, Appendix E, Section 5

Other Known Hazards

None

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name	Common Name	CAS Number	Concentration (%)
1-Dodecanol	Lauryl alcohol	112-53-8	70 - 85
1-Tetradecanol	Myristyl alcohol	112-72-1	25 - 31
1-HEXADECANOL	Cetyl alcohol	36653-82-4	<0.1

If any items in the table above are described as CONFIDENTIAL, Kao Specialties Americas LLC considers this information to constitute a Trade Secret.

SECTION 4: FIRST-AID MEASURES

EYES Immediately flush eyes with plenty of water for at least 15 minutes. If necessary,

seek medical attention.

SKIN For skin contact, wash immediately with soap and water. If necessary, seek medical

attention.

INGESTION If the material is swallowed, get immediate medical attention or advice.

INHALATION If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing

is difficult, give oxygen.

SYMPTOMS of EXPOSURE

None known.

NOTES to PHYSICIAN Provide general supportive measures and treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES Refer to SECTION 9: Physical and Chemical Properties

HAZARDOUS PRODUCTS of COMBUSTION

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or

Iow molecular weight hydrocarbons.

PROPERTIES THAT
COULD INCREASE
FIRE OR EXPLOSION
HAZARD

No known hazards.

EXTINGUISHING MEDIA

Powder, alcohol-resistant foam, CO2 & sand

FIRE-FIGHTING INSTRUCTIONS

Firefighters should wear full protective clothing including self contained breathing

apparatus.

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT Dike the spilled material, where this is possible.

SPILL CLEANUP Collect the spilled material with an inert absorbent such as sand or vermiculite.

PROCEDURES Place in properly labeled closed container.

REQUIRED EQUIPMENT

Shovel the material into waste container.

ADDITIONAL INFORMATION

No other spill procedures necessary.

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Block any potential routes to water systems.

SPILL CLEANUP PROCEDURES

Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear appropriate protective equipment and clothing during clean-up. Thoroughly wash the area with water after a spill or leak clean-up. Do not allow the spilled product to enter public drainage system or open water courses.

REQUIRED EQUIPMENT

Shovel the material into waste container.

ADDITIONAL INFORMATION

No other spill procedures necessary.

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS Avoid contact with skin and eyes. Wash hands after handling and before eating. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Keep away from sources of ignition.

STORAGE REQUIREMENTS Keep the container tightly closed and in a cool, well-ventilated place.

Eliminate all sources of ignition.

If product is stored in bulk, nitrogen padding is recommended.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION

Wear chemical goggles and face shield.

HAND PROTECTION Us

Use impervious gloves.

SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

RESPIRATORY PROTECTION

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY

OSHA: No exposure limits established for this product ACGIH: No exposure limits established for this product

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C	Clear, colorless liquid	ODOR	Characteristic odor
ODOR THRESHOLD	No data available	рН	No information available
VAPOR DENSITY	No data available	VAPOR PRESSURE	10mmHg @ 145°C
EVAPORATION RATE	No data available	RELATIVE DENSITY	0.83 @ 30°C
MELTING POINT (°C)	22°C	WATER SOLUBILITY	Insoluble in water
INITIAL BOILING POINT (°C)	270°C	BOILING RANGE (°C)	No data available
PARTITION COEFFICIENT (N- OCTANOL/WATER)	No data available	VISCOSITY	17mPa-s @ 30°C
DECOMPOSITION TEMPERATURE	No data available	FLAMMABILITY	CLASS IIIB
FLASH POINT (°C)	140°C Cleveland Open Cup	AUTO-IGNITION TEMPERATURE	No data available
UPPER EXPLOSIVE LIMIT	No data available	LOWER EXPLOSIVE LIMIT	No data available

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY Stable under normal conditions.

CONDITIONS to AVOID

None known

INCOMPATIBLE None known.

(Reactivity)

INCOMPATIBLE
MATERIALS (Storage
& Transport)

No information available.

HAZARDOUS DECOMPOSITION PRODUCTS

None known.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS This product may cause irritation to the eyes.

SKIN EFFECTS This product may cause irritation to the skin.

ACUTE ORAL

EFFECTS (INGESTION)

Not a likely route of entry.

ACUTE INHALATION

EFFECTS

This product may cause slight irritation to the respiratory system.

TARGET ORGANS No known effects.

CHRONIC EFFECTS

TERATOLOGY No data available for this product.

REPRODUCTIVE and DEVELOPMENTAL

TOXICITY

No information available.

CARCINOGENICITY

CHEMICAL NAME DATA AGENCY LIST

None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists. None of the components of this product are listed on the ACGIH Carcinogens List.

No limits established for this product by the International Agency for Research on Cancer (IARC).

None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

LETHAL DOSE (LD50 & LC50) DATA

LD50 ORAL LD50 Oral Rat > 8300 mg/kg

LD50 Dermal Rabbit > 10200 **LD50 DERMAL**

mg/kg

LETHAL DOSE (LD50 & LC50) DATA for PRODUCT COMPONENTS

LD50 Oral Rat > 5000 mg/kg LD50 ORAL

Rat > 12800 mg/kg

Rat > 20

1-Dodecanol

1-Tetradecanol

LD50 Dermal Rabbit > 5 mg/kg **LD50 DERMAL**

Rabbit 8

1-Tetradecanol

MEDICAL CONDITIONS AGGRAVATED by **EXPOSURE**

No information available.

ROUTES of ENTRY

Routes of entry for solids and liquids include eye and skin contact, ingestion and

inhalation.

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY Acute 1 CLASSIFICATION Chronic 1

SIGNAL WORD Warning

HAZARD PICTOGRAM



Very toxic to aquatic life. **HAZARD STATEMENT**

Very toxic to aquatic life with long lasting effects.

PREVENTION Avoid release to the environment.

RESPONSE Collect spillage. **DISPOSAL**

Dispose of contents and container in accordance with local, national, and international regulations for hazardous wastes.

ADDITIONAL ENVIRONMENTAL INFORMATION

ECOTOX.

INFORMATION

None determined

ENVIRONMENTAL

FATE

No data available for this product.

BIOLOGICAL

OXYGEN DEMAND

(BOD5), g/g

No data available

CHEMICAL OXYGEN

DEMAND (COD), g/g

No data available

PERSISTENCE & DEGRADABILITY

No information available

BIOACCUMULATION

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it

meets applicable definitions of hazardous wastes.

GENERAL DISPOSAL CONSIDERATIONS

Clear

Clean up and dispose of waste in accordance with all federal, state, and local

environmental regulations.

DISPOSAL of EMPTY

CONTAINERS

Dispose of waste material according to Local, State, Federal, and Provincial

Environmental Regulations.

No limits established for this product.

RCRA COMPONENT	CASRN	DATA

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	UN3082	UN3082	UN3082
UN PROPER SHIPPING NAME	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s.

TECHNICAL NAME	containing 1-dodecanol	containing 1-dodecanol	containing 1-dodecanol
TRANSPORT HAZARD CLASS(ES)	9	9	9
PACKING GROUP	III	III	III

No reportable quantity REPORTABLE QUANTITY (RQ) for this product

EMERGENCY RESPONSE GUIDEBOOK (ERG)

171

MARINE POLLUTANT | MARINE POLLUTANT

REFERENCE

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT

(TSCA)

This product is listed on the U.S. EPA TSCA Inventory.

EXPORT

NOTIFICATIONS

This product is not subject to TSCA 12B Export Notification requirements.

SIGNIFICANT NEW

This material is not subject to a Significant New Use Rule under the US Toxic

USE RULE (SNUR) Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

DSL	Canada	Yes	
NDSL	Canada	No	
ENCS	Japan	Yes	2-217
EINECS	Europe	Yes	272-490-6
ELINCS	Europe	No	
IECSC	China	Yes	
PICCS	Philippines	Yes	
ECL	Korea	Yes	KE-00307
AICS	Australia	Yes	

EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA) 40 CFR PART 355, APPENDIX A

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(HAP) COMPONENT NAME CASRN	No regulated components					
No regulated components	(HAP)					

The following components are identified under the Clean Water Act:

COMPONENT NAME CASRN LIST NAME

No limits established for this product.

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME CASRN STATE List Name

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for California, Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

SDS GENERATED BY HAZEMS

SDS VERSION DATE 5/25/2016 3:36:15 PM

Patrick B. Simcox

SDS APPROVED BY Manager – Health, Safety, & Environmental

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MANUFACTURER(S) FATTY CHEMICALS (MALAYSIA) SDN. BHD.

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Phone: 011-60-4-399-8500

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH 2

FLAMMABILITY	1
REACTIVITY	0

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
Lauryl alcohol	112-53-8	70 - 85	1 %
Myristic alcohol	112-72-1	25 - 31	1 %

END OF DOCUMENT